

WHAT IS CLAIMED IS:

1. A user identity authentication system comprising:

a mobile information communication device;

a liquid crystal display device provided in said mobile information communication device; and

an image sensor built in said liquid crystal display device,

wherein said image sensor reads individual information of a user, and a user's identity is authenticated based on the individual information.

2. A user identity authentication system comprising:

a mobile information communication device;

a liquid crystal display device provided in said mobile information communication device; and

an image sensor provided in said liquid crystal display device and constructed of photo diodes provided for respective pixels,

wherein said image sensor reads individual information of a user, and a user's identity is authenticated based on the individual information.

3. A user identity authentication system comprising:

a liquid crystal display device comprising a built-in image sensor;

a storage device; and

a module for comparing individual information read by said image sensor with individual information stored in said storage device.

4. A user identity authentication system comprising:

- a liquid crystal display device comprising a built-in image sensor;
- a storage device; and
- a module for judging whether the user can be identified or not by comparing individual information read by said image sensor with individual information stored in said storage device.

5. A user identity authentication system according to claim 2, wherein said liquid crystal display device is a reflection type liquid crystal display device.

6. A user identity authentication system according to claim 4, wherein said liquid crystal display device is a reflection type liquid crystal display device.

7. A user identity authentication system according to claim 2, wherein an operation of authenticating the user's identity is performed by manipulating an operation key on said mobile information communication device.

8. A user identity authentication system according to claim 2, wherein an operation key on said mobile information communication device can be manipulated by only a dominant hand of an user.

9. A user identity authentication system according to claim 7, wherein said operation key can be manipulated by only a forefinger of said user.

10. A user identity authentication system according to claim 7, wherein said operation key can be manipulated by only a thumb of said user.

11. A user identity authentication system according to claim 4, wherein an operation of authenticating the user's identity is performed by manipulating an operation key on said mobile information communication device.

12. A user identity authentication system according to claim 4, wherein an operation key on said mobile information communication device can be manipulated by only a dominant hand of an user.

13. A user identity authentication system according to claim 11, wherein said operation key can be manipulated by only a forefinger of said user.

14. A user identity authentication system according to claim 11, wherein said operation key can be manipulated by only a thumb of said user.

15. A user identity authentication system according to claim 2, wherein authentication of said user's identity is triggered simultaneously by switching on a power source of said mobile information communication device.

16. A user identity authentication system according to claim 4, wherein authentication of said user's identity is triggered simultaneously by switching on a power source of said mobile information communication device.

17. A user identity authentication system according to claims 2, wherein a palm print (palm lines) or a fingerprint is used as said individual information.

18. A user identity authentication system according to claims 4, wherein a palm print (palm lines) or a fingerprint is used as said individual information.

19. A user identity authentication system according to claim 2, wherein a palm print of a whole or a part of a palm is used.

20. A user identity authentication system according to claim 4, wherein a palm print of a whole or a part of a palm is used.

21. A user identity authentication system comprising:  
a mobile information communication device;  
a liquid crystal display device provided in said mobile information communication device; and  
an image sensor built in said liquid crystal display device,  
wherein said image sensor reads individual information of a user, and said individual information is transmitted via the Internet.

22. A user identity authentication system comprising:  
a mobile information communication device;  
a liquid crystal display device provided in said mobile information communication device; and

an image sensor built in said liquid crystal display device,

wherein said image sensor reads individual information of a user, and said individual information is transmitted via the Internet only when necessary, in accordance with a transmission necessity judged based on a degree of requirement set in said mobile information communication device or a destination terminal of communication.

23. A user identity authentication system comprising:

a liquid crystal display device including a built-in image sensor;

a storage device;

a module for judging whether the user can be identified or not by comparing individual information read by said image sensor with individual information stored in said storage device; and

a module for transmitting a result of the authentication via the Internet.

24. A user identity authentication system according to claim 22, wherein said liquid crystal display device is a reflection type liquid crystal display device.

25. A user identity authentication system according to claim 23, wherein said liquid crystal display device is a reflection type liquid crystal display device.

26. A user identity authentication method using a mobile information communication device provided with a liquid crystal display device comprising a built-in image sensor, said method comprising:

a step of reading individual information of a user with said image sensor; and

a step of authenticating a user's identity based on said individual information.

27. A user identity authentication method using a mobile information communication device provided with a liquid crystal display device provided in said mobile information communication device, and with an image sensor provided in said liquid crystal display device and constructed of photo diodes provided for respective pixels, said method comprising:

a step of reading individual information of a user with said image sensor; and

a step of authenticating a user's identity based on said individual information.

28. A user identity authentication method according to claim 27, wherein said liquid crystal display device is a reflection type liquid crystal display device.

29. A user identity authentication method according to claim 27, wherein an operation of authenticating the user's identity is performed by manipulating an operation key on said mobile information communication device.

30. A user identity authentication method according to claim 27, wherein an operation key on said mobile information communication device can be controlled by only a dominant hand of said user.

31. A user identity authentication method according to claim 27, wherein said operation key can be controlled by only a forefinger of said user.

32. A user identity authentication method according to claim 27, wherein said operation

key can be controlled by only a thumb of said user.

33. A user identity authentication method according to claim 27, wherein authentication of said user's identity is triggered simultaneously by switching on a power source of said mobile information communication device.

34. A user identity authentication method according to claim 27, wherein a palm print (palm lines) or a fingerprint is used as said individual information.

35. A user identity authentication method according to claim 27, wherein a palm print of said whole or a part of a palm is used.

36. A user identity authentication method using a mobile information communication device provided with a liquid crystal display device comprising a built-in an image sensor, said method comprising:

- a step reading individual information of a user with said image sensor; and
- a step of transmitting said individual information via the Internet.

37. A user identity authentication method using a mobile information communication device provided with a liquid crystal display device comprising a built-in an image sensor, said method comprising:

- a step of reading individual information of a user with said image sensor;
- a step of judging whether or not said individual information needs to be transmitted in accordance with a degree of requirement set in said mobile information

communication device or a destination terminal of communication; and

a step of transmitting said individual information via the Internet only when necessary.

38. A user identity authentication method according to claim 37, wherein said liquid crystal display device is a reflection type liquid crystal display device.

39. A mobile telephonic device comprising:

a liquid crystal display device; and

a flash memory,

wherein said liquid crystal device comprising photo diodes provided for respective pixels, and

wherein said flash memory is stored with individual information of a user.

40. A mobile telephonic device comprising:

a liquid crystal display device comprising photo diodes provided for respective pixels;

a flash memory;

an image sensor constructed of said photo diodes ; and

a means for collating individual information read by said image sensor with user's individual information stored in said flash memory.

41. A mobile telephonic device according claim 40, wherein said liquid crystal display device is a reflection type liquid crystal display device.